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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/712,225	11/15/2000	Kazuo Takagi	088941/0174	8670
22428	7590	05/10/2004	EXAMINER	
FOLEY AND LARDNER			PIZARRO, RICARDO M	
SUITE 500			ART UNIT	PAPER NUMBER
3000 K STREET NW			2661	5
WASHINGTON, DC 20007			DATE MAILED: 05/10/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/712,225	TAKAGI, KAZUO	
	<b>Examiner</b>	<b>Art Unit</b>	
	Ricardo M. Pizarro	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

1) Responsive to communication(s) filed on 15 November 2000.  
 2a) This action is **FINAL**.                            2b) This action is non-final.  
 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

4) Claim(s) 1-23 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) Claim(s) \_\_\_\_\_ is/are allowed.  
 6) Claim(s) 1-23 is/are rejected.  
 7) Claim(s) \_\_\_\_\_ is/are objected to.  
 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

9) The specification is objected to by the Examiner.  
 10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) All    b) Some \* c) None of:  
 1. Certified copies of the priority documents have been received.  
 2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) Notice of References Cited (PTO-892)  
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  
 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
     Paper No(s)/Mail Date \_\_\_\_\_

4) Interview Summary (PTO-413)  
     Paper No(s)/Mail Date. \_\_\_\_\_.  
 5) Notice of Informal Patent Application (PTO-152)  
 6) Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Objections*

1. Claims 1-23 are objected to because of the following informalities and it is suggested to applicant:

In claim 1 line 3 delete “the”, in line 4 insert “frames” before –multiplexed-, in lines 10-11 delete “(N: a plus integer)”, in line 13 replace “the head” with –header-, in line 13 delete “(M: a plus integer) .

In claim 2 insert “ frame” before –multiplexed-, in lines 10-11 delete “(N: a plus integer)”, in line 13 delete “(M: a plus integer) .

In claim 3 line 2 delete “the”.

In claim 4 line 2 delete the second occurrence of “the”, in line 3 delete “the”.

In claim 5 line 2 delete the second occurrence of The”, in line 3 delete the first occurrence of “the”, in line 7 delete the first occurrence of “the” in line 8 replace “an” with –a-.

In claim 8 line 2 replace “the “ with –a-.

In claim 9 line 2 replace “the” with –a-.

In claim 11 line 8 replace the first occurrence of “the” with –a-, in line 9 replace “a’ with –the-, in line 13 replace “a” with –another-.in line 35 delete the first occurrence of “the”.

In claim 14 line 9 replace “a” with –another-.

In claim 15 line 11 and line 15 replace “ terminator” with –terminators-, in line 18 and line 20 replace “generator” with –generators-, in line 31 replace “extractor” with –extractors-, in line 43 replace “buffers” with –buffer-, in line 51 replace “an” with –a-.

In claim 16 line 7 replace “terminator” with –terminators-, in line 8 insert ‘input’; before –client-

In claim 18 line 3 replace “buffer” with –buffers-, replace “generator” with –generators-, in line 4 insert “input” before –client-, in line 5 replace “terminator” with –terminators-.

In claim 19 line 3 replace “claims” with –claim-

In claim 21 line 2 replace “spliter” with –splitter-, in line 8 delete the second occurrence of “the”. In claim 22 line 2 replace “spliter” with –splitter-, in line 4 insert “input” before –client-, in line 5 replace “terminator” with –terminators-.

#### ***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

3. Claims 1-23 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

4. In claim 1 line 4-6, claim 2 lines 4-6, claim 11 lines 4-6, claim 15 lines 4-6 the term “transfers the client data frames to client apparatuses opposite to the client apparatuses transmissively” is not understood and not known what the term is referring to.

Appropriate correction is required.

#### ***Conclusion***

5. **Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks

Washington, D.C. 20231

**or faxed to:**

(703) 872-9314

(for formal communications intended for entry, for informal or draft communications, please label "PROPOSED" or "DRAFT")

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Ricardo Pizarro** whose telephone number is (703) 305-1121. The examiner can normally be reached on Monday-Friday from 9:00 AM to 5:30 PM. The fax number for this Group is (703) 872-9314.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Douglas Olms**, can be reached on (703) 305-4703.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 305-4700.

April 23, 2004

*Ricardo M. Pizarro*

*Douglas W. Olms*

DOUGLAS OLMS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600